

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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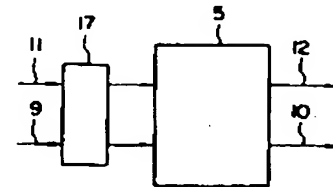
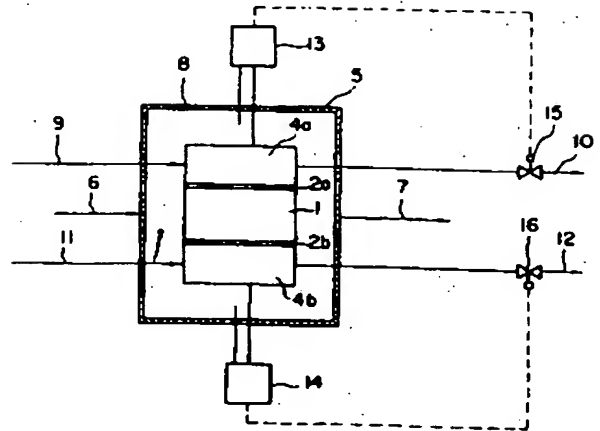
APPLICATION DATE : 07-12-82  
APPLICATION NUMBER : 57214245

APPLICANT : TOSHIBA CORP;

INVENTOR : YOSHIMORI MASATSUGU;

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TITLE : FUEL CELL POWER GENERATING  
SYSTEM



**ABSTRACT :** PURPOSE: To control differential pressure between an oxidizing agent electrode and a fuel electrode by inserting a pressure absorber between a fuel supply passage or discharge passage and an oxidizing agent supply passage or discharge passage and absorbing pressure difference between both passages.

**CONSTITUTION:** A fuel cell 1 is accommodated in a container 5 filled with inactive gas. Oxidizing agent gas and fuel gas are supplied from supply passage 9 and 10 to a oxidizing agent chamber 4a and a fuel chamber 4b and they are discharged from discharge passages 10 and 12. Pressure in each chamber is measured with differential pressure controllers 13 and 14, and controlled with adjust valves 15 and 16 so as to keep specified pressure difference. Moreover, a pressure absorber 17 formed by setting pressure adjusting chambers on both sides of a diaphragm is arranged between the oxidizing agent supply passage 9 and the fuel supply passage 11. Abnormal increase of differential pressure between an oxidizing agent electrode and a fuel electrode is suppressed and generation of crossover in sudden load change at starting is prevented.

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